

International Conference and Workshops on Algorithms and Computation (WALCOM) 2020

(31 Mar-2 Apr 2020)

conducted via Zoom

Tuesday, 31 Mar 2020

Time	Title	Speaker & Email Address
1015 - 1030	Opening	
1030	Session Facilitator: Wing-Kin Sung, Ken	dcsswk@nus.edu.sg
1030 - 1100	Session 1	
	Angle Covers: Algorithms and Complexity	Jack Spalding-Jamieson jacketsj@alumni.ubc.ca
1100 - 1130	Tea Break	
1130 - 1230	Invited Talk Space Efficient Separator Algorithms for Planar Graphs	Osamu Watanabe watanabe@is.titech.ac.jp
1230 - 1400	Lunch Break	
1400	Session Facilitator: Ramesh Rajaby	dcsraja@nus.edu.sg
1400 - 1600	Session 2	
	Generalized Dictionary Matching under Substring Consistent Equivalence Relations	Diptarama Hendrian diptarama@tohoku.ac.jp
	Shortest Covers of All Cyclic Shifts of a String	Juliusz Straszyński jks@mimuw.edu.pl
	Fast Multiple Pattern Cartesian Tree Matching	Geonmo Gu gmgu@theory.snu.ac.kr
	Faster Privacy-Preserving Computation of Edit Distance with Moves	Masaharu Kataoka kataoka.masaharu403@mail.kyutech.jp

Wednesday, 1 April 2020		
Time	Title	Speaker & Email Address
0900	Session Facilitator: Ritu Kundu	dcsritu@nus.edu.sg
0900 - 1030	Session 3	
	Dispersion of Mobile Robots on Grids	Anisur Rahaman Molla anisurpm@gmail.com
	Optimum Algorithm for the Mutual Visibility Problem	Subhash Bhagat subhash.bhagat.math@gmail.com
	Routing in Histograms	Max Willert willerma@inf.fu-berlin.de
1030 - 1100	Tea Break	
1100 - 1200	Invited Talk Drawing Planar Graphs	Md. Saidur Rahman dmsrahman@gmail.com
1200 - 1330	Lunch Break	
1330	Session Facilitator: Wing-Kin Sung, Ken	dcsswk@nus.edu.sg
1330 - 1530	Session 4	
	Partitioning a graph into complementary subgraphs	Julliano Rosa Nascimento julliano@inf.ufg.br
	Reconfiguring k-path vertex covers	Tsuyoshi Yagita yagita.tsuyoshi307@mail.kyutech.jp
	Parameterized Algorithms for the Happy Set Problem	Tesshu Hanaka hanaka.91t@g.chuo-u.ac.jp
		Eiji Miyano miyano@ces.kyutech.ac.jp
Packing and Covering with Segments	Supantha Pandit (TBA) pantha.pandit@gmail.com	
1530 - 1600	Tea Break	

Wednesday, 1 April 2020		
Time	Title	Speaker & Email Address
1600 - 1730	Session 5	
	Packing Trees into 1-planar Graphs	Alessandra Tappini alessandra.tappini@studenti.unipg.it
	The Stub Resolution of 1-planar Graphs	Fabrizio Montecchiani fabrizio.montecchiani@unipg.it
	An Experimental Study of a 1-planarity Testing and Embedding Algorithm	Carla Binucci carla.binucci@unipg.it
Fabrizio Montecchiani fabrizio.montecchiani@unipg.it		
Thursday, 2 April 2020		
Time	Title	Speaker & Email Address
0900	Session Facilitator: Wing-Kin Sung, Ken	dcsswk@nus.edu.sg
0900 - 1030	Session 6	
	Efficient Enumeration of Non-isomorphic Ptolemaic Graphs	Ryuhei Uehara uehara@jaist.ac.jp
	Implicit Enumeration of Topological-Minor-Embeddings and Its Application to Planar Subgraph Enumeration	Yu Nakahata nakahata.yu.27e@st.kyoto-u.ac.jp
	Designing Survivable Networks with Zero-suppressed Binary Decision Diagrams	Hirofumi Suzuki suzuki-hirofumi@fujitsu.com
1030 - 1100	Tea Break	
1100 - 1200	Invited Talk Recent progresses in the combinatorial and algorithmic study of phylogenetic networks	Louxin Zhang matzlx@nus.edu.sg
1200 - 1330	Lunch Break	
1330 - 1500	Session 7	
	Approximability of the Independent Feedback Vertex Set Problem for Bipartite Graphs	Yuma Tamura yuma.tamura.t5@dc.tohoku.ac.jp
	On the Maximum Edge-Pair Embedding Bipartite Matching	Phanu Vajanopath phanu.vajanopath@gmail.com
	Packing Arc-Disjoint Cycles in Bipartite Tournaments	Ajay Saju Jacob ee16b129@smail.iitm.ac.in

Thursday, 2 April 2020

Time	Title	Speaker & Email Address
1500 - 1530	Tea Break	
	<i>Session 8</i>	
1530 - 1700	A Waste-Efficient Algorithm for Single-Droplet Sample Preparation on Microfluidic Chips	Marek Chrobak marek@cs.ucr.edu
	Matching random colored points with rectangles	Carlos Seara carlos.seara@upc.edu
	Trichotomy for the reconfiguration problem of integer linear systems	Kei Kimura kkimura@mail.saitama-u.ac.jp
1700 - 1730	Closing	